

Mohammad Ferozuddin

Email: ferozuddin5017@gmail.com

<https://www.linkedin.com/in/ferozuddin>

Mobile: 8522918781

Professional Summary

- Overall experience of around 5 years in DevOps and quality assurance.
- Working as DevOps Engineer for around 2 years into developing and maintaining testing framework.
- Experienced Test Automation Engineer with full time experience of around 3 years into Quality Assurance (QA) in IT services and Consulting industry.
- Over the years in software testing gained hands on experience with embedded systems, python, robot framework, SQL server, UFT, Selenium, Communication protocols and accustomed with SDLC, STLC, test plans, defect reports, Agile methodology with SCRUM, Kanban frameworks.

Work Experience

 **Hexagon Capability Centre India-Hyderabad**
Senior DevOps Engineer, *Dec 2023 - Present*

- As a Senior DevOps Engineer at Hexagon-NovAtel, leveraging my python programming language skill to develop efficient solutions by re-designing the python packages used by the Software Testers.
- Designs and executes unit tests to identify bugs early in the package development process, utilizing mocking and patching to isolate dependencies.
- Prepared code coverage reports to ensure each code path is covered with multiple code scenarios inclusive of edge case scenarios and negative case scenarios.

 **Cognizant**
Product Assurance Engineer, *Nov 2020 - Aug 2023*

- Associated with Industrial IoT and Process Automation Business unit for Schneider Electric with the commitment to transform 50% of Manual Tests into optimized and reusable Test Suites for Test Automation.
- Built the 30 functional modules in automation framework leading to 30% automation of manual test suites, making substantial contributions across all phases of the SDLC/STLC processes which resulted in the production of high-quality deliverables through comprehensive functional, integration, and regression testing.
- Collaborated seamlessly with cross functional teams to identify the automation feasibility of functional test cases with various automation tools working in SCRUM framework of Agile environment by preparing test plans and test execution.
- Executed the regression suites using test automation framework for four major versions of product in substantially less time of 45% than usual which led to early market release.
- Demonstrated expertise in developing test content using Python scripting and written python methods/functions for SQL database validations required in robot framework which enhanced the framework by 40%.
- Incorporated Excel Formula techniques to write lengthy database records verification which decreased coding effort by 70%.
- Generated and presented three comprehensive test reports in every regression cycle to calculate Test Coverage and Code Coverage.
- Each test report facilitated efficient debugging of test case failures which reduced manual bug investigation time by 3 hours on average.
- Conducted a thorough analysis of failed test cases for developers by reproducing the bug and prepared defect report that led to easy identification of root cause saving additional effort of 20%.

- Discovered and addressed 12 bugs in recent regression testing and logged the defects in Azure DevOps TFS to track effectively.
- Led the feasibility check of six (6) different automation tools for UI/GUI Automation of the Product as part of R&D resulting in development of effective framework from ground up.

Technical Skills

• Experienced Core Skills	: Software Quality Assurance (QA), SDLC/STLC, Manual Testing, Test Automation, Embedded Testing, Complete defect life cycle, Agile (SCRUM/Kanban) and Waterfall.
• Framework(s)	: Robot Framework, UFT framework, pytest.
• Programming/Scripting Language	: Python, familiar with Java and OOPs concepts, XML, Visual Basic (VB) scripting.
• Database	: SQL Server, SQL, Mongo DB.
• Test Management tools	: Azure DevOps (TFS), Microsoft Test Manager Tool (MTM), JIRA.
• UI testing automation tools	: Micro Focus UFT, Leap Work, pywinauto.
• Version Control Systems	: GitLab
• Communication protocols	: Modbus, HART, Device Net, Foundational Fieldbus (FF), Profibus and TCP/IP Ethernet.
• Web Testing	: Selenium with Python.
• Executed Testing types	: Functional Testing, Regression Testing, Smoke Testing, Integration and Unit Testing.
• Industrial Automation	: Foxboro Evo Distributed Control System (DCS) Schneider Electric, Wonderware/AVEVA HMI
• Additional Skills	: Lab management, System recovery, Network devices configuration, hardware/software installation, setup the test environment.
• Sound Knowledge On	: OS Server 2016, MS Office Group, Virtualization (Hyper-V), Sprints, Test planning, Test strategy, Test execution, Element identification tools like inspect, AutoIT, Java, HTML, Jenkins.

Education

- Master of Technology (MTech) in Power Electronics, Aug 2018-Aug 2020.

Awards

- Awarded with Pat-On-Back (PoB) award for resolving bug in correction services of caster.
- Awarded with Spot Award for identifying and analyzing memory leakage issue in Marine Receiver through desktop application on windows 11 and windows 10.
- Earned recognition badge ("Working as One") for successful implementation of Desktop Application-UI automation as part of Hackathon.
- Earned a Sapphire award ("Always Striving, Never Settling") and recognition for continuous efforts and successfully handling of Framework challenges during execution of 8000+ Functional Test cases during regression.

Certified in:

- Brain Bench Software Testing (April 2022-April 2025)
- EF SET Certificate (CEFR- C2-Proficient) issued in September 2021
- Python Course for Beginners: Mastering the Essentials issued by Scaler in September 2023
- JPMorgan Agile Job Simulation (Virtual Experience) Program on Forage – September 2023